

Group Task 3.2.C

Name _____

Class _____

Teacher _____

Date _____

Common Core Learning Standards

6.NS.6b Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the location of the points are related by reflections across one or both axes.

6.NS.6c Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.

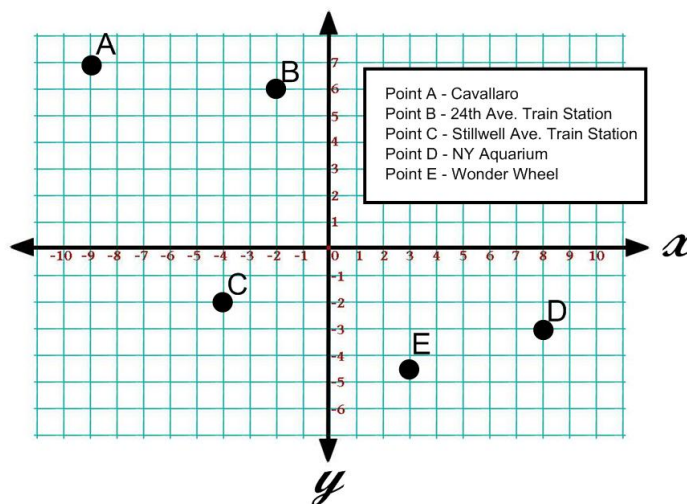
6.NS.8 Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane.



Rubric

Operations	4	3	2	1	0
Errors	4	3	2	1	0
Explanation	4	3	2	1	0
Process	4	3	2	1	0
Total Score					

The sixth grade is taking a class trip to Coney Island. Use the grid below to answer the questions.



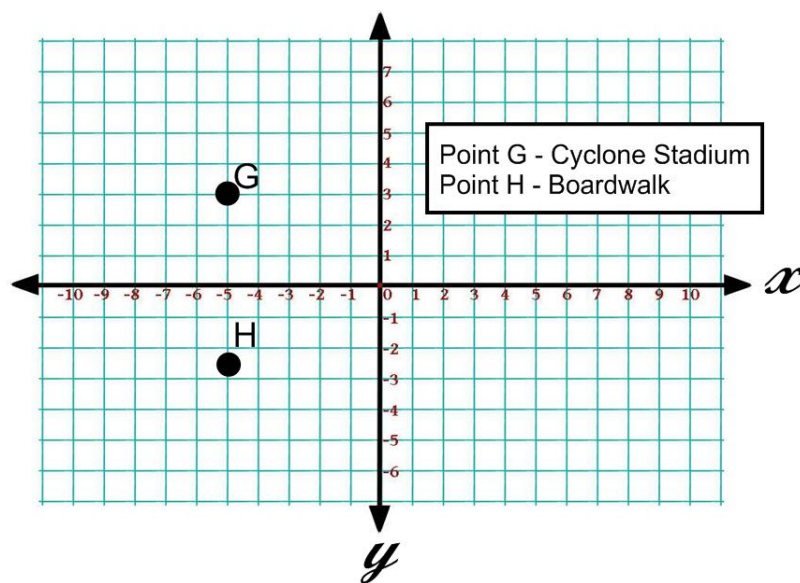
1. What are the coordinates for the Wonder Wheel? Write the ordered pair. (Use parentheses and a comma.) (x,y)

2. Part A. Reflect point E across the y-axis. Label this as point F. Let this represent Nathan's Hot Dogs. (A reflection is a "flip" across the axis.)

Part B. What are the coordinates for Nathan's? Write the ordered pair on the line. (Use parentheses and a comma.) (x,y)

Part C. Explain how you determined the coordinates for Nathan's. (First I... Then I...)

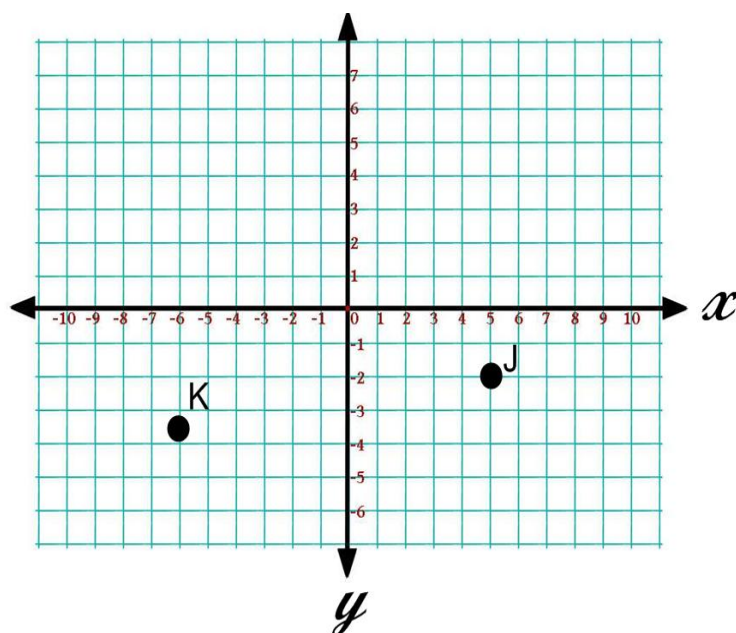
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3. Part A. What is the distance, in units, between Cyclone Stadium and the Boardwalk?
(Count the lines between the points.) (Don't count the spaces!)

Part B

Explain how you found your answer. (Sentence form) (First I... Then I...)



Let the x-axis represent sea level.

- Point J represents Nemo
- Point K represents Dory

4. Part A

What is Nemo's absolute value in relation to sea level?

(How far from x-axis)

(Count lines between)

Part B

What is Dory's absolute value in relation to sea level?

(How far from x-axis)

(Count lines between)